



## CHANDLER FIRE DEPARTMENT

### GENERAL NOTES TO THE CONTRACTOR



All buildings (except Group R, Division 3 [see below] and Group U occupancies) shall be provided with an approved automatic fire sprinkler system installed in accordance with Fire Code, NFPA 13, and City of Chandler Fire Code amendments.

A Residential (Group R, Division 3 occupancies) Fire Sprinkler System. Any person, including but not limited to sub dividers, developers, sellers, and/or realtors, offering homes for sale through the use of a model home sales office, shall provide to each prospective homebuyer an educational brochure or handout explaining misconceptions and facts concerning residential automatic fire sprinkler systems, and, further, shall cause to be provided, as an available purchase option, to the homebuyer, an approved residential automatic fire sprinkler system, to be installed in the home as the home is constructed, at a competitive cost, by an Arizona State licensed fire protection contractor. The City of Chandler Fire Department will have available acceptable brochures for use by such sellers. Such sellers shall, at the time a purchase and construction contract is executed, obtain signed documentation from any homebuyer who chooses to decline an optional fire sprinkler system.

Residential (multi-family) - all private shared domestic and residential fire line mains shall have a reduced pressure backflow installed per COC Detail C-315.

Fire protection systems shall be installed or modified by a contractor licensed to perform such work by the State of Arizona, and who also holds a current valid permit from the Chandler Fire Department to conduct such work within the City of Chandler.

Fire Department Connections (FDC's) for Fire Code, Building Code and NFPA 13 fire sprinkler systems shall be 2 and 1/2" female swivels with National Standard Threads. FDC's for NFPA 13D and 13R sprinkler systems shall be single female swivels with 1 and 1/2" National Standard Threads.

All Fire Department Hose Stations and Standpipe hose discharges for Fire Department use shall be 2 and 1/2" National Standard Threads. **No hose shall be attached to the Fire Department Hose Stations.**

Automatic sprinkler systems shall be supervised by an approved central, proprietary or remote signal station service; or an audible signal shall sound at a constantly attended location when the number of sprinkler heads is 20 or more in Group I, Division 1 occupancies or 100 or more sprinkler heads in all other occupancies.

**Fire Department vehicle access roadways shall be provided and maintained throughout construction.** Temporary access roads shall be a minimum 14' clear width with 6" compacted AB or gravel. No trenching across Fire Access roads. Required water fire flow shall be provided and maintained throughout construction **Prior to any combustibles being brought on site, all hydrants shall be approved and functional.** Permanent fire vehicle access roadways shall be 20' clear width, all weather surface.

One set of stamped, approved drawings shall be maintained on-site and made available to City Inspectors on demand.

The contractor shall provide the City Inspector with copy of: the "Contractor's Material and Test Certificate For Aboveground Piping" in accordance with NFPA 13; and the "Contractors Material & Test Certificate for Underground Piping" in accordance with NFPA 24; and the "Certificate of Compliance" for fire alarm systems in accordance with NFPA 72, upon successful completion of the system test and prior to City acceptance of the system.

#### Tenant Improvement Projects

Modifications to existing systems affecting 20 or more heads, 40 or more feet of pipe or 40 or more pipe joints require plans submitted to the Development Services Department. Plans must be reviewed, approved and on site prior to the Certificate of Occupancy inspection.

HEADS	SPRINKLER SYSTEM TEST REQUIRED
9 or <	A visual inspection only is required
10 - 19	50 psi above normal static pressure for 15 minutes
20 or >	50 psi above normal static pressure for 2 hours
All new systems	Per NFPA 13

Fire flow calculation area shall be in accordance with Appendix B of the Fire Code.